

Production process of liquid crystal display panel, seal material for liquid crystal cell and liquid crystal display

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Inventor: YAMADA SATOSHI (JP); MATSUKAWA HIDEKI (JP)
Applicant: MATSUSHITA ELECTRIC IND CO LTD (JP)
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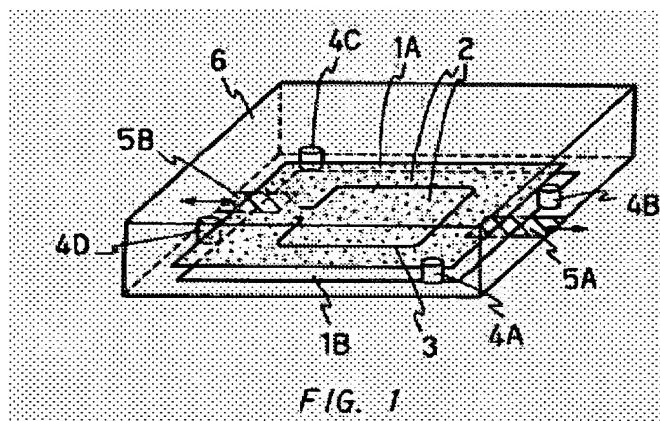
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Abstract of EP0730188

This invention relates to a liquid crystal display apparatus formed by sealing a liquid crystal between two substrates having electrodes and an alignment film with a seal material, the production process comprising the steps of attaching two substrates 1A, 1B in a vacuum chamber 6, compressing under atmospheric pressure to provide a uniform cell gap, a temporary hardening process of the seal material by ultraviolet ray irradiation and a main hardening process of the seal material by heating, wherein a radically polymerizable curing resin is used in the liquid crystal seal material. The method provides a liquid crystal display panel having a uniform cell gap, without dislocation of the alignment between substrates, or discharge of uncured component of a seal material to the liquid crystal, capable of having a seal material firmly attached to the substrates even at panel corner portions, and having an excellent straightness and moisture resistance of the seal material.



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